

Title (en)
Improved code optimiser for pipelined computers

Title (de)
Code-Optimierer für Pipeline-Rechner

Title (fr)
Optimiseur de code pour des ordinateurs à pipeline

Publication
EP 0843257 A2 19980520 (EN)

Application
EP 97309064 A 19971111

Priority
US 75268396 A 19961119

Abstract (en)
Apparatus and methods are disclosed to provide improved optimizations of single-basic-block-loops. These optimizations include improved scheduling of blocking instructions for pipelined computers and improved scheduling and allocation of resources (such as registers) that cannot be spilled to memory. Scheduling of blocking instructions is improved by pre-allocating space in the scheduling reservation table. Improved scheduling and allocation of non-spillable resources results from converting the resource constraint into a data dependency constraint. <IMAGE>

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IPC 8 full level
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